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_	APPLICATION NO.	FILIN	G DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	09/481,396	01/1	2/2000	Koichiro Tanaka	0756-2092	5586
	31780 7	590	04/22/2004		EXAMI	NER
	ERIC ROBIN	ISON			RODRIGUEZ,	ARMANDO
	PMB 955 21010 SOUTH	BANK ST			ART UNIT	PAPER NUMBER
	POTOMAC FA				2828	

DATE MAILED: 04/22/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

,		Application N .	Applicant(s)			
		09/481,396	TANAKA, KOICHIRO			
	Office Action Summary	Examiner	Art Unit			
		Armando Rodriguez	2828			
Period f	The MAILING DATE of this communication app r Reply	ears on the cover sheet with the c	correspondence address			
THE I - Exter after - If the - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY MAILING DATE OF THIS COMMUNICATION.  SIX (6) MONTHS from the mailing date of this communication.  period for reply specified above is less than thirty (30) days, a reply period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be ting within the statutory minimum of thirty (30) day rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed vs will be considered timely. the mailing date of this communication. ED (35 U.S.C. § 133).			
Status						
1)⊠	Responsive to communication(s) filed on <u>08 January 2004</u> .					
2a)⊠	This action is <b>FINAL</b> . 2b) ☐ This	action is non-final.				
3)□	Since this application is in condition for allowar closed in accordance with the practice under <i>E</i>	•				
Dispositi	ion of Claims					
4)⊠ 5)⊠ 6)⊠ 7)□	4) Claim(s) 1-37 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration.  5) Claim(s) 1,2,4,5,7-23 and 27-37 is/are allowed.  6) Claim(s) 3,6 and 24-26 is/are rejected.					
<b>Applicati</b>	on Papers					
9)[	The specification is objected to by the Examine	r.				
10)	10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.					
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
11)	Replacement drawing sheet(s) including the correction. The oath or declaration is objected to by the Ex					
Priority u	ınder 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.						
Attachmen		<b>5</b>				
	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948)	4) 🔯 Interview Summary Paper No(s)/Mail Da				
3) 🔯 Infor	mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date <u>4-18-2004</u> .		Patent Application (PTO-152)			

## **DETAILED ACTION**

## Response to Arguments

Applicant's arguments, see page 10, filed January 8, 2004, with respect to claims 1,2,4-12,17-24,27-29,31-33 have been fully considered and are persuasive. The rejection of claims 1,2,4-12,17-24,27-29,31-33 has been withdrawn. Applicant has disqualified the recited prior art of Yamazaki under 35 USC 103 (c) by submitting a statement of the subject matter in the prior art and present application were commonly owned or subject to an obligation assignment to Semiconductor Energy Laboratory Co., Ltd.

## Response to Amendment

Applicant's amendment filed January 8, 2004 of independent claims 3 and 13 does not overcome the 35 USC 112 second paragraph rejection.

However, applicant's authorized examiner's amendment on January 16, 2004 of independent claim 13 overcomes the 35 USC 112 second paragraph rejection thereby the rejection of claims 13-16,35-37 is withdrawn.

#### **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided Application/Control Number: 09/481,396

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by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Eric J. Robinson on April 16, 2004.

The application has been amended as follows:

13. (Currently Amended) A laser irradiation apparatus comprising:

a beam generating unit for emitting a laser beam such that a cross section of said laser beam extends in both width and longitudinal directions;

a cylindrical lens group for dividing said laser beam in said width direction, said cylindrical lens group comprising a number n of cylindrical lenses; [[and]]

an optical system for overlapping divided laser beams, and

a shielding member,

wherein the first and nth cylindrical lenses of the cylindrical lens group are shielded from the laser beam by the shielding member for making edges of the emitted laser beam straight lines extending in said longitudinal direction.

## Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 3,6,24-26 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Regarding claim 3,

No structure has been recited within the claim language to provide the recited functional limitation of "shielded". Furthermore, the claim recites the cylindrical lenses shielded

from the laser beam, which implies preventing the laser beam from transmitting through the lenses.

## Allowable Subject Matter

Claims 1,2,4,5,7-23,27-37 are allowed.

The following is an examiner's statement of reasons for allowance:

After reviewing applicant's amendment, arguments and conducting an updated search none of the cited prior arts alone or in combination discloses the claimed laser irradiation apparatus having the recited limitations of independent claims 1,2,7,10 and 13, where the shape of the laser beam is modified before entering the cylindrical lens group for providing a uniform annealing laser beam.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Claim 3 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action.

#### Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not

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mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Armando Rodriguez whose telephone number is 571-272-1952. The examiner can normally be reached on flex / M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on 571-272-1834. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Armando Rodriguez

Examiner Art Unit 2828

AR/DW